COOL DRAFT
BY Ventamatic
AN AIR OF EXCELLENCE

AMERICAN MADE

INSTRUCTIONS & MANUAL

Keep for future reference. Common problems and solutions are listed within this booklet.
IMPORTANT INFORMATION INSIDE: Read, understand, and follow all safety information and instructions.

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1 COOL DRAFT THANKS YOU

Thanks for selecting Cool Draft's self-contained misting equipment for your comfort conditioning needs. Our products are engineered with the most reliable components available and are equipped with features to assure ease of use, mobility, and maintenance. **Thanks again and stay cool!**

2 HOW IT WORKS

The cool air you will now enjoy is created through the process of evaporation. Heat is required to change water from a liquid to a gas (water vapor). Cool Draft's self-contained power misting equipment creates a "fog" by pumping water at a low rate through small nozzles. When combined with air the fog rapidly evaporates. The heat that is required to evaporate this fog is extracted from the air resulting in reduced air temperature.

3 HAZARDS

- **ELECTRICAL SHOCK HAZARD**

- **TRIP HAZARD**

- **PINCH HAZARD**

- **SERIOUS INJURY OR DEATH MAY OCCUR**

4 CAUTION!

- Only plug models into properly grounded receptacles
- Test GFCI before using
- Do not carry the unit by the motor, electrical cords, hose line, fan guard, or support bars
- Do not touch fan motor during use or directly after (it may be hot)
- Do not operate fan without guards in place
- Do not insert anything into fan guard while operating
- Unplug unit and dry wet areas before resetting a unit that has tipped over
- Position all electrical cords to lie flat on ground
- Never use during rain, sleet, hail, snow, or any inclement weather conditions
- Never operate pump without water supply
- In case of leaks, turn off pump and tighten leaky fittings with hand
    - Do not use tools to tighten nozzles, Always hand-tighten.
- Always use fresh water in cooler
    - A plugged filter caused by poor quality water can restrict pump flow, causing permanent damage.
    - Hard water can clog nozzles
- Do not run pump without water
- Never allow fog from nozzles to come into contact with surfaces
    - Condensation will form on surface
- Drain unused water

5 SPECIFICATIONS

- Voltage (VAC): 120
- Frequency (Hz): 60
- Fan Amps: 1.5
- Total 2.8 Amps
- CFM: 4200 Low / 5800 Medium / 8750 High
- Speeds: Multiple
- Model # CDMP1840GRY: 18" fan head, 160 psi pump, 40 gal cooler case, pumps out 2 gph
- Model # CDMP1810YEL : 18" fan head, 160 psi pump, 10 gal cooler, pumps out 1 gph
- Model # CDHP1840GRY: 18" fan head, 1000 psi pump, 40 gal cooler case, pumps out 2 gph
- Misting Ring: Stainless steel
- Filter: 50 mesh stainless steel
- Water Supply POTABLE ONLY

6 GETTING STARTED (ALL UNITS)

1. Take empty cooler to location desired to be cooled.

   **Full cooler will weigh approximately 80 lbs.

2. Fill cooler with clean water.

   **Less water results in less run time.

3. Place the fan/pump enclosure on the cooler.
4. Make sure the intake line and filter are in the bottom of the cooler.
5. Follow specific unit instructions.

7 MID PRESSURE UNITS

**** Note: these models use the same fan and pump, only the cooler is different**

1. Follow the directions in the "Getting Started" section
2. Aim mister downwind for best results. If more than one mister is used, arrange them in an arc
3. Plug the GFCI safety plug into any 120 VAC 60 Hz ground outlet
4. Test the GFI
   a. Plug into outlet. Indicator will show if power is available.
   b. Press the test button. Indicator will turn off.

Do Not use if test fails.

5. The misting ring located in the center of the fan is equipped with nozzles. The output volume of water can be reduced by replacing some of the nozzles with plugs. Adjust nozzles for the desired output level.
6. After use, drain the cooler case of water and store fan inside (CDMP1840GRY).

**CDMP1810YEL fan will mist for approximately 5-6 hours

**CDMP1840GRY fan will mist for approximately 15 hours.

8 HI PRESSURE UNITS

1. Follow directions in the "Getting Started" section.
2. Once the fan and base are in place and the filter is at the bottom of the cooler, plug in the fan and unscrew any nozzle.
3. Turn the unit to the "on" position.
4. When water consistently flows through the nozzle opening, turn the ring valve to the "closed" position (the ring valve is shipped in the "open" position) and screw the nozzle back in by hand tightening.
5. Once the nozzle is in, turn the ring valve back to "open."
6. Turn the switch to get the desired speed. *This step is optional, as some customers prefer to run just the pump with no fan.*

**CDHP1840GRY will mist for approximately 8 hours.

9 LABELED FAN

10 MAINTENANCE

Filter:

- Filter should be cleaned before and after each use.
- A dirty filter will restrict water flow and could cause permanent damage.

Nozzles:

- Check nozzles regularly to assure the best performance.
- The fog exiting from the nozzles should have an even cone shape. If this is not the case, the nozzles should be replaced.
- Clogged nozzles can be cleaned by removing them from the misting hub and soaking them in CLR™ solution or slam them against a hard surface to break the buildup loose. If they still fail to work, replace them with the provided spare nozzles.
- Before reinstalling nozzles, flush water line to misting hub.

11 TROUBLESHOOTING

PROBLEM: Not Misting

- Make sure hose is at the bottom of the cooler and the filter is completely submerged in water.
- Run through the start-up procedure to clear air from hose.
- Make sure ring valve is in the "open" position. Water will not flow if it is closed.

PROBLEM: Nozzle is Shooting a Stream of Water

- Remove and clean nozzles
- Scrape the opening with a hard metal surface or flat head screwdriver while the system is running.

Do Not use your finger, as the high pressure water could cause injury!

PROBLEM: No Power to the System

- Check plug and breaker
- Make sure fan is not in the "off" position. Pull switch on enclosure to "fan only" or "mist fan" and switch speeds.

12 1 YEAR WARRANTY

If you are ever dissatisfied with the quality of our workmanship, design, or function of our equipment, you may return it to us for repair, replacement, or credit at our discretion. A returned goods number will be issued at the time you contact us. This number is necessary to assure that you get the proper credit for your return. Shipping costs for returns are at the expense of the customer unless otherwise negotiated.

We want satisfied customers and will make every effort to make sure of this.

IN CASE OF PRODUCT FAILURE:
It shall be the obligation of the owner to furnish to the company the following information:
1. Model number and date of manufacture of product involved.
2. Complete description of the problem encountered with the fan.

SELLER'S LIABILITY
Seller will not be liable for any loss, damage, cost of repair, incidental or consequential damages of any kind, whether based on warranty, contract or negligence, and arising in connection with the sale, use or repair of the products. Seller's maximum liability shall not in any case exceed the contract price for the products claimed to be defective or unsuitable.

RETURNED GOODS
Equipment may be accepted for return within 30 days of shipment, when authorized by us with our return labels. Request necessary permission and special return authorization tags. Currently listed equipment in new and unused condition, and in factory sealed cartons, may normally be returned for full credit less 25% (minimum charge $20.00) charge for handling, repacking and restocking, and less transportation charges both ways, at net prices prevailing at time of purchase or time of return, whichever is lower. Cool Draft, however, reserves the right to refuse any return at our discretion, if Cool Draft is not responsible for error. All special custom-made equipment , equipment with special finishes, and modified versions of catalogued numbers are Not Returnable. All returned merchandise is subject to inspection. *Unsalvagable and damaged merchandise will be credited at salvage value or less cost of repairs.*

DAMAGED GOODS
Minimum charge on replacement will be waived if order is accompanied by copy of proof of claim submitted to carrier. No repair, replacement, or other adjustment by the customer is authorized by us, unless stated so in writing by our sales service department.

13 WARRANTY REGISTRATION

Our warranty is as strong and effective as possible. **Please keep the following information for your records.**

IMPORTANT

RECORD OF PURCHASE

Purchaser's Name: _____

Date of Purchase: ____/____/_____ Store Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Model: _____ Purchase Price: $_____

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